

**EAST Search History**

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 5308 | weld\$4 and ((determin\$4 or adjust\$4 or calculate\$4 or configure\$4 or predetermine\$4 or modif\$4 or comput\$4 or estimate\$4 or regulat\$4) near6 (electric\$6 near3 (conductan\$4 or conduction or conductiv\$4 or resistanc\$4 or resistiv\$4)))                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/05/05<br>14:05 |
| L2    | 753  | weld\$4 and ((determin\$4 or adjust\$4 or calculate\$4 or configure\$4 or predetermine\$4 or modif\$4 or comput\$4 or estimate\$4 or regulat\$4) near6 (electric\$6 near3 (conductan\$4 or conduction or conductiv\$4 or resistanc\$4 or resistiv\$4))) and ("228".clas. or "219".clas.) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/05/05<br>14:08 |
| L3    | 476  | weld\$4 and ((determin\$4 or calculate\$4 or detect\$4 or comput\$4 or estimate\$4 or sens\$3) near6 (electric\$6 near3 (conductan\$4 or conduction or conductiv\$4 or resistanc\$4 or resistiv\$4))) and ("228".clas. or "219".clas.)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/05/05<br>14:15 |
| L4    | 442  | weld\$4 and ((determin\$4 or calculate\$4 or detect\$4 or comput\$4 or estimate\$4 or sens\$3) near6 (electric\$6 near3 (conductan\$4 or conduction or conductiv\$4 or resistanc\$4 or resistiv\$4))) and (228/102-105,8-10.ccls. or "219".clas.)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/05/05<br>14:49 |
| L5    | 6    | ((HARALD) near2 (FRANK)).INV.  | US-PGPUB;<br>USPAT  | ADJ              | ON      | 2009/05/05<br>17:05 |
| L6    | 0    | ((DAN) near2 (NEI S)).INV.   | US-PGPUB;<br>USPAT  | ADJ              | ON      | 2009/05/05<br>17:06 |
| S1    | 2    | "5941443".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/04/30<br>11:22 |
| S2    | 8    | ("3681176"   "3976240"   "4025374"   "4517790"   "5265508"   "5843256"   "5985065").PN. OR ("7128807").URPN.   | US-PGPUB;<br>USPAT; USOCR   | ADJ              | ON      | 2009/04/30<br>11:46 |

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| S3  | 9     | ("3697837"   "4646987"   "4799614"   "4826067"   "4867370"   "4869419"   "5613000"   "5772100").PN. OR ("5941443").URPN.   | US-PGPUB; USPAT; USOCR                                   | ADJ | ON | 2009/04/30 12:23 |
| S4  | 1550  | 228/102-104.ccls.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:20 |
| S5  | 2033  | 228/110.1-111.1.1.ccls.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:20 |
| S6  | 4592  | 156/73.1-73.4,64,580.1,580.2,358. ccls.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:20 |
| S7  | 28958 | (weld\$4 or bond\$4) near5 (variable or parameter or setting)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:27 |
| S8  | 6662  | ((weld\$4 or bond\$4) near5 (variable or parameter or setting)) and ((determin\$4 or adjust\$4 or calculate\$4 or configure\$4 or predetermine\$4 or modif\$4 or comput\$4 or estimate\$4 or regulat\$4) near5 (parameter or setting or variable)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:39 |
| S9  | 74    | S8 and S5  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:41 |
| S10 | 1136  | 228/8-10.ccls.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:49 |
| S11 | 258   | (S4 or S6 or S10) and S8   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/30 14:51 |

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| S12 | 221  | S11 not S9   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/04/30<br>14:51 |
| S13 | 2    | "4867370".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/04/30<br>15:25 |
| S14 | 21   | S12 and ((data near5 base) or data \$1base)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/04/30<br>18:07 |
| S15 | 1550 | 228/102-104.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S16 | 2033 | 228/110.1-111,1.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S17 | 4592 | 156/73.1-73.4,64,580.1,580.2,358. ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S18 | 6662 | ((weld\$4 or bond\$4) near5 (variable or parameter or setting)) and ((determin\$4 or adjust\$4 or calculate\$4 or configure\$4 or predetermine\$4 or modif\$4 or comput\$4 or estimate\$4 or regulat\$4) near5 (parameter or setting or variable)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S19 | 74   | S18 and S16  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S20 | 1136 | 228/8-10.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |

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| S21 | 258 | (S15 or S17 or S20) and S18  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S22 | 221 | S21 not S19  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S23 | 21  | S22 and ((data near5 base) or data<br>\$1base)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:05 |
| S24 | 200 | S21 not (S19 or S23)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:06 |
| S25 | 2   | "6979376".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>10:14 |
| S26 | 14  | "5435863"   "5507324"  <br>"5601205"   "5658408"  <br>"5846377"   "5855706"  <br>"5939166"   "6189567"  <br>"6260578"   "6422261"  <br>"6460591"   "6484741").PN. OR<br>("6979376").URPN.  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2009/05/01<br>11:00 |
| S27 | 0   | ((weld\$4 or bond\$4) near5<br>(characteris\$5 of characteriz\$5))<br>and ((determin\$4 or adjust\$4 or<br>calculate\$4 or configure\$4 or<br>predetermine\$4 or modif\$4 or<br>comput\$4 or estimate\$4 or regulat<br>\$4) near5 (characteris\$5 of<br>characteriz\$5)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>11:39 |
| S28 | 40  | ("3432691"   "3469211"  <br>"3733238"   "4618516"  <br>"4631685"   "4690722"  <br>"4859378"   "4973876"  <br>"5435863"   "5487802"  <br>"5658408"   "5772814").PN. OR<br>("5855706").URPN.   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2009/05/01<br>11:50 |

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| S29 | 189   | S21 not (S19 or S23 or S26 or S28)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>12:04 |
| S30 | 22    | ("4341574"   "4373653"  <br>"4606490"   "4631685"  <br>"4696708"   "4806193"  <br>"4874444"   "4973876"  <br>"5110381"   "5170929"  <br>"5225025"   "5357423"  <br>"5435863").PN. OR ("5772814").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2009/05/01<br>12:14 |
| S31 | 25    | ("20010011260"   "20020078429"  <br>"20040044431"   "4712057"  <br>"5256204"   "5311562"  <br>"5355306"   "5372471"  <br>"5544256"   "5737739"  <br>"5772814"   "5960185"  <br>"6106167"   "6110843"  <br>"6185511"   "6298470"  <br>"6392229"   "6442445"  <br>"6535865"   "6583509"  <br>"6594024"   "6633831"  <br>"6665425"   "6753261").PN. OR<br>("6954678").URPN.   | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2009/05/01<br>12:15 |
| S32 | 12    | ("4186864"   "4508953"  <br>"4563745"   "4590355"  <br>"4728774"   "4742207"  <br>"5107093"   "5166495"  <br>"5173592"   "5715375"  <br>"5841104").PN. OR ("6155475").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2009/05/01<br>14:57 |
| S34 | 69459 | weld\$4 or bond\$4 or join\$4) and<br>((material or metal or workpiece or<br>tube or plate or pipe) with<br>(determin\$6 or detect\$4 or sens\$4<br>or measure\$4 or inspect\$4 or analy<br>\$5)) and ((retriev\$4 or stor\$4 or<br>recall\$4 or sav\$3 or calculat\$4 or<br>memory or data\$1base or (data adj<br>base) or (call\$4 near3 up)) with<br>(parameter or setting or variable or<br>characteris\$5 or characteriz\$5)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>16:07 |
| S35 | 198   | S34 and (S15 or S16 or S17 or<br>S20)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>16:11 |
| S36 | 141   | S35 not (S19 or S23 or S26 or S28<br>or S21 or S30 or S32 or S31)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/05/01<br>16:12 |

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| S40 | 52 | (((((wall thickness) same diameter) same (tube or tubular or pipe)) near20 (parameter or setting or variable or characteris\$5 of characteriz\$5)) same (weld\$4 or bond\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/05/01<br>17:29 |
| S41 | 13 | ("3442735"   "3821048"   "4096019"   "4119448"   "4482421"   "4629530"   "4935081"   "5198056").PN. OR ("5304266").URPN.  | US-PGPUB; USPAT; USOCR                                   | ADJ | ON | 2009/05/03<br>16:06 |
| S42 | 26 | ("4640732"   "4642155").PN. OR ("5013376").URPN.  | US-PGPUB; USPAT; USOCR                                   | ADJ | ON | 2009/05/03<br>16:19 |

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